



NO CLUE HERE AS TO WHY THIS PICTURE APPEARS—But turn to page 4 and there, up in the right hand upper corner the mystery is revealed. The two pictures will clearly explain the football situation now existing at Y-12.

Dr. Kraus To Receive Priestly Medal Award

The many Y-12 friends of Dr. Charles A. Kraus, a frequent visitor here as a consultant to Carbide, will be happy to learn that the Priestly Medal will be added to the long list of honors the distinguished scientist has received. Full story of the Priestly Medal which will be awarded to Dr. Kraus at the fall meeting of the American Chemical Society is carried in the August 7 issue of THE CHEMICAL WORLD THIS WEEK. A picture of Dr. Kraus appears on the cover of the magazine.

The magazine article said that the Priestly Medal award will mark the latest recognition of Dr. Kraus' outstanding contribution to American chemistry. He is professor emeritus of chemistry at Brown University, and is widely acclaimed for his development of a process for the commercial production of tetraethyllead. The process as finally evolved consisted of mixing a batch of sodium-lead alloy with ethyl chloride. The batch was made to react at high pressures, and the tetraethyllead steam distilled off.

Dr. Kraus was instrumental in the purification of uranium salts for the atomic bomb research carried on by the Manhattan District. In September 1948 he received the Navy Distinguished Public Service Award, the highest honor the Secretary of the Navy can confer upon a civilian, for his development of oxygen rebreather equipment for navy aircraft, and for his direction of research contracted to Brown University by the Navy during World War II.

SAFETY SCOREBOARD

Your Plant Has
Operated
31 Days
Without A Lost Time
Accident
Through August 6



W. H. WINANS, NEWLY ELECTED UCC OFFICIAL — Mr. Winans has been elected Vice-President, Industrial Relations, Union Carbide and Carbon Corporation, it has been announced by F. H. Haggerson, President of the Corporation. Mr. Winans has been engaged in industrial relations activities since he joined the National Carbon Division of the Corporation in Cleveland in 1916. He was appointed Industrial Relations Manager of the parent organization in 1919.

Two New Members Appointed To ORINS Directors Board

Dr. William G. Pollard, Executive Director of the Oak Ridge Institute of Nuclear Studies, has announced the appointment of two new members to the Institute's Board of Directors and the re-appointment of two others. The new members are Dr. John R. Dunning, professor of physics and Dean of the College of Engineering at Columbia University, and Dr. Edward Mack, Jr., Chairman of the Department of Chemistry at Ohio State University.

President T. S. Painter, of the University of Texas, and Dr. S. C. Lind, Consultant to the Carbide and Carbon Chemicals Division in Oak Ridge, were re-appointed for full three-year terms.

Dr. Dunning was elected for a full three-year term. Dr. Mack will fill out the unexpired two-year term of Dr. George B. Pegram, former vice president of Columbia University. Dr. Pegram now serves as a part-time consultant to the Institute in addition to his other duties since his retirement from Columbia.

Noted Scientists To Lead Modern Chemistry Meeting

Leading the Modern Chemistry Symposium scheduled for Oak Ridge, August 21-31, will be scientists who are nationally recognized as eminent in the profession of chemistry and whose brilliant careers include noted research contributions to our country during World War II. Four of these scientists are Dr. David Harker, Director of the Protein Structural Laboratory, Polytechnic Institute, Brooklyn; Dr. Henry Eyring, Professor of Chemistry and Dean of the Graduate School, University of Utah; Dr. Herbert S. Harned, Professor of Chemistry, Yale University; and Dr. George Scatchard, Professor of Physical Chemistry, Massachusetts Institute of Technology.

Sponsored jointly by the Oak Ridge National Laboratory and the Oak Ridge Institute of Nuclear Studies, the symposium will be devoted to quantum and inorganic chemistry. The August 21-31 meeting will be the second in a series of summer symposia at Oak Ridge on the subjects of interest to the scientific community of Oak Ridge and the surrounding region.

Although these symposia are intended primarily for Oak Ridge and Southern University personnel, attendance will not be restricted to such groups. Persons from outside this section of the country are cordially invited to attend insofar as facilities permit, it has been announced by Dr. Henri A. Levy, Chairman of the Committee for the Symposium. No charge will be made for attendance, but each person is expected to pay his own traveling and living expenses for the occasion.

Formal sessions for the symposium will be held from 8:30 a. m. to 1:15 p. m. each day in the Center Theater at Townsite. All afternoons after 1:15 p. m. as well as all day Friday, Saturday and Sunday, August 25, 26, 27, and the following weekend will be free for informal discussions or to allow visitors to take advantage of the varied facilities at Oak Ridge and environs.

About Dr. Scatchard

Dr. George Scatchard, who recently joined the Chemistry Division of the Oak Ridge National Laboratory for a six-week visit as a consultant, has been associated with the Massachusetts Institute of Technology since 1923 when he first went there on a National Research Council Fellowship. He was named assistant professor in 1924, associate professor in 1926, and professor in 1937.

After graduating in chemistry at Amherst College in 1913, Dr. Scatchard became a graduate student at Columbia University, where he was a Goldschmidt Fellow and a research assistant in chemistry. He received his Ph. D. degree at Columbia in 1917. After World War I service as a lieutenant in the Sanitary Corps of the

Continued on Page 4



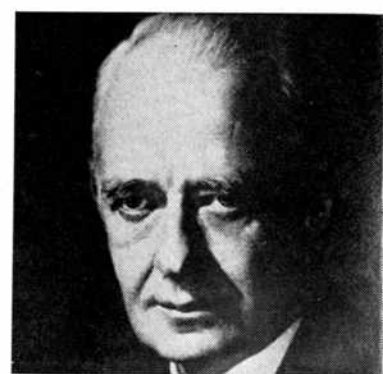
Dr. Henry Eyring



Dr. David Harker



Dr. George Scatchard



Dr. Herbert S. Harned

THESE DISTINGUISHED SCIENTISTS WILL LEAD OAK RIDGE MODERN CHEMISTRY SYMPOSIUM—Scheduled for August 21-31, the meeting will be the second in a series of summer symposia at Oak Ridge sponsored by the Oak Ridge Institute of Nuclear Studies and the Oak Ridge National Laboratory.

Dr. S. C. Lind To Give Symposium Lectures

Replacing Dr. Peter Debye of Cornell University on the program of the Modern Chemistry Symposium are Drs. Samuel C. Lind, George E. Boyd, and Kurt A. Kraus. Due to unforeseen circumstances Dr. Debye will be unable to attend the symposium, it has been announced by Oak Ridge National Laboratory and the Oak Ridge Institute of Nuclear Studies, co-sponsors of the symposium to be held August 21-31.

Dr. S. C. Lind, technical consultant to the general superintendent of the three Carbide installations in Oak Ridge, will present two lectures on "Old and New Concepts of Radiation Chemistry." Drs. Boyd and Kraus, both of the Chemistry Division of Oak Ridge National Laboratory, will speak on "Theoretical Treatment of Ion Exchange" and "Hydrolytic Behavior of Some Metal Ions," respectively.

Others to appear on the program and the titles of their talks are listed as follows: W. O. Milligan, Rice Institute, "Recent Developments in the Structures of Inorganic Colloidal Materials;" Charles A. Blake, ORNL Materials Chemistry Division, "Diffusion Coefficients, with Emphasis on Optical Methods;" Glenn H. Clewett, ORNL Materials Chemistry Division, "Separation of Isotopes by Chemical Methods;" Clair J. Collins, ORNL Chemistry Division, "Use of Carbon-14 in Organic Mechanism Studies;" Bruce H. Ketelle, ORNL Chemistry Division, "Recent Developments in Radiochemistry;" Henri A. Levy, ORNL Chemistry Division, "Crystal Structure Studies by Neutron Diffraction;" and Elison H. Taylor, ORNL Chemistry Division, "Chemical Effects of Ionizing Radiation."

Schedule of lectures by each
Continued on Page 2



Dr. S. C. Lind

Roberta McCutchen On Next Sun. ACS Program

Headlining the "Headlines in Chemistry" radio program over WATO Station from 9:15 p. m. to 9:30, Sunday, August 20, will be Dr. C. A. Bahner, Professor in the Chemistry Department of the Carson-Newman College. Dr. Bahner will talk on the subject of selecting a school for a career in chemistry and chemical engineering. In this talk he will discuss the relative merits and advantages of large colleges and small colleges.

An article on the subject appeared in the July 17 issue of Chemical and Engineering News. Co-Hosts for the "Headlines in Chemistry" program that night will be Roberta McCutchen, of Y-12 Department No. 2270, and C. D. W. Thornton, of AEC.

CONTRACT ORNL BUILDING

John A. Johnson & Sons, Inc., of Oak Ridge, was announced by the Atomic Energy Commission today as low bidder for construction of a new experimental research building at the Oak Ridge National Laboratory. The bid was \$279,928.

Construction will involve additional pertinent facilities, including water and electric lines.

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KIRK-LOY

The engagement of Patricia Marguerite Kirk, of the Y-12 Reports Office, and Raymond Erwin Loy, of the Fairchild Engine and Airplane Corp., in Oak Ridge, has been announced by Mr. and Mrs. James Patrick Kirk, of Oak Ridge, parents of the bride-elect. Mr. Loy is the son of Mr. and Mrs. Reed M. Loy, of Dover's Grove, Illinois.

The wedding will be held at 10 a. m. September 2, at the church of the Immaculate Conception, in Knoxville. The Rev. Fr. Ned Elliott will officiate.

Miss Kirk is a former University of Tennessee co-ed and was a member of the Sigma Kappa sorority.

Mr. Loy is a graduate of the University of Notre Dame and did graduate work at Cornell University.



SKINNER-ARNETT

Betty Jane Skinner, of the Y-12 Property Department, was married to Richard Carl Arnett at 8:30 p. m. August 4, at the Forest Avenue Christian Church.

The bride is the daughter of Mr. and Mrs. James Iver Skinner, 3802 Sevier Avenue, Knoxville. Mr. Arnett is the grandson of Mrs. Rachel Guider, 1820 Grand Avenue.

The Rev. J. T. Simmons performed the ceremony before the altar which was decorated with greenery and white tapers. Special music was presented by Bill Phifer, vocalist, and Jo Ann Nipper, organist.

The bride, given in marriage by her father, wore a gown of white Chantilly lace. Her full length veil of illusion was held in place by a tiara of orange blossoms. She carried a bouquet of white roses centered with a white orchid.

Mary Skinner, sister of the bride, was maid of honor. She wore a gown of pink chiffon and carried a bouquet of yellow roses and blue gardenias.

The bridesmaids, Mrs. H. H.



M. G. Cook, of the Chemical Department, spent his two week vacation right around home in Knoxville, Tenn.

A. K. Self, Stores Department, is visiting in North Carolina while on one week of vacation. Helen Matthews is visiting her folks at home in Okolona, Mississippi, while on vacation for a week. Walcott Watson and his family are vacationing in Maine and Connecticut. J. D. Hayes and family are vacationing for two weeks at Gracey and Cadiz, Kentucky. Emma Puckett attended her brother Powell's wedding, August 7, in Georgetown, Kentucky.

C. A. McAlister, of the Laundry, and his wife entertained Mrs. Fred Hartness, of Charlotte, North Carolina, Mrs. Charles Webb, of Gastonia, North Carolina, and Mrs. O. S. Johnson, of McDonald, Tenn., recently at their home in Knoxville. The McAlister's had as guests last week end, Mrs. McAlister's nephews, David and Ralph Johnson, of McDonald, Tennessee, at their home on 410 McCormick St., Knoxville. Hazel Tompkins, of the Property Sales Department, spent a week of vacation at home near Knoxville.

Bruce Whitaker, of the Manufacturing Department, is visiting his wife's folks in Alabama; and plans to do some fishing in Florida while on a week of vacation. Maola Conner spent the week end in Lebanon, Tennessee, visiting friends there.

Dick Brothers, of the Health Physics and Hygiene Department, went fishing at Ft. Loudon Lake with C. L. Estes, of Planning and Estimating Dept., recently. Brothers caught a 4 pound, large mouth bass; and Estes declares he had to help him land it. The Health Physics Department welcomes William H. Haase to the group. E. G. Struxness and family have been vacationing in Missouri.

S. T. Burriss, of Buildings and Grounds Dept., is spending a weeks vacation fishing on the local lakes around Knoxville. Oscar Smith is doing likewise on his one week vacation. Also P. Y. Miller is doing some fishing while on a two week vacation.

Fred J. Sherrod, of Receiving and Shipping Dept., is taking in all the local ball games while off on a two week vacation. Bill Eubanks is staying right around his home in Byington while on his two week vacation.

Trasda Joiner, of the Wage Standards Dept., and her husband are motoring to Detroit and Canada while on a two week vacation.

W. W. Combs, of the Uranium Control and Computing Dept., is being heartily congratulated by his fellow workers on the birth of a baby boy, born August 6, at the Oak Ridge Hospital. They have named him Douglas W. Hallie Leicht and her husband had as recent week end guests Mr. and Mrs. Bechtolt, of Dayton, Ohio. Charles Piggot has as guests his sister and her children from Schenectady, New York.

Dora Whaley, of the Assay Laboratory Dept., is spending a few days in Florida and is going on over to Cuba while on a two week

Ogle, Jr., Miss Alma Sue Ogle, Mrs. Jim Roberts and Mrs. Bill Hayes, cousin of the bride, wore blue chiffon and carried gardenias and pink roses. Sandra Lavene Skinner, niece of the bride, was flower girl and Ronnie Stevens was ringbearer. Herbert Watkins served as best man. The ushers were Douglas Fairbanks, cousin of the bride; Jimmie Rymmer, Eugene Smith, cousin of the groom; and Robert Ogle, Jr.

Following the reception, given by the bride's parents at their home, the couple went to Kentucky for a week's wedding trip. They will reside on Fifth Avenue in Knoxville.

vacation. Walter Rice and his family are spending one week of vacation in Gadsden, Alabama. Bill Garland and his family are spending a weeks vacation at his sister's cabin in Linville, North Carolina; they plan on doing a lot of fishing there. Lynn Heatherly is off on a two week vacation visiting relatives in New York and New Jersey. Rosel Davis is visiting with relatives in Elberton, Georgia, while on two weeks vacation.

Penny Keene, of the Medical Dept.; her husband Oliver, of the Property Dept., and Winnie Miller, Insurance Dept., are spending two week's vacation touring Mexico. Among the many cities they plan to visit are: Guadalajara, Acapulco and Mexico City. Cordia Bledsoe, Medical Dept., and her husband Bob, are spending a few days of their week's vacation visiting her folks in Chattanooga, Tenn.

Eunice Webster, of the Reports Office, spent a recent week end in Gatlinburg with friends.

The Chemical Research Department is inviting the Technical Service Department to join them on a picnic at Concord, August 19. Don Phillips is general chairman of the picnic committee. C. C. Haws, Paul Blakely, Emily Leyshon, Fred Hurst and George Nesle are on the committee for games and refreshments. Aside from the entertainment they plan there will be swimming, boating and fishing available to all.

Virginia B. Smith, of Chemical Research Dept., and her husband Guy, of Chemical Dept., spent a recent week end at Guy's home in Forest City, North Carolina.

Don W. Kuhn, his wife and family are attending the Baptist Summer Camp at Ridge Crest, North Carolina, while on a week's vacation.

G. H. Clewett is spending a two week vacation at home in Oak Ridge; entertaining relatives from California by showing them all the points of interest around East Tennessee. K. O. Johnson and his family spent a recent Sunday in Gatlinburg. W. F. Arendale is spending his week's vacation getting settled in his new home in Knoxville. F. L. Daley and his family are visiting Atlanta, Georgia, and Florida, on a two week vacation.

E. Zurcher, of Research Engineering Dept., and family spent a two-week vacation visiting friends and relatives in New York State.

The Electrical Maintenance Department congratulate D. P. Anderson who is the proud papa of a baby boy, born at the Oak Ridge Hospital, August 8. B. A. Walker is back on the job after one weeks vacation. U. L. Alspaugh and family are visiting relatives in North Carolina, while on a two week vacation.

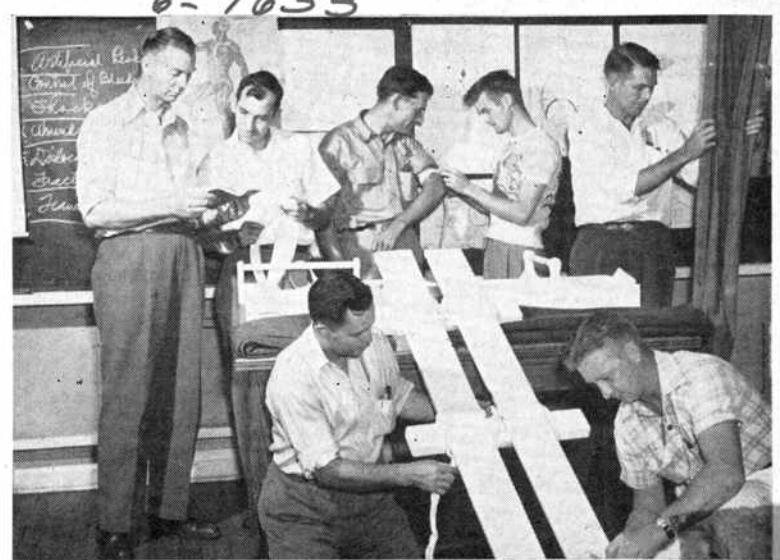
M. L. Lay, of the Salvage Department, is vacationing for two weeks.

The Standby Maintenance Department reports that C. J. Beckett is on the vacation list for two weeks.

C. R. Cooper, of Field Maintenance, is spending his two weeks vacation at home in Powell. C. M. Simcox is spending a week's vacation at home in Crossville, Tenn. C. P. Riner is vacationing for two weeks at home in Oak Ridge. H. H. Miller is vacationing in Columbus, Ohio, for a week.

Bill Peed, of Isotope Research Dept., is spending a week's vacation in Tennessee. Paul Griffin and family are vacationing for two weeks at his home in St. Louis, Missouri. Stanley Fairbourne and his family are visiting his home in Salt Lake City while on two week's vacation.

W. O. Watson, of the Guard Department, and family spent a week at Daytona Beach while on a week's vacation. Polie Garrison spent two weeks in Silverport, Tenn., and got in a lot of fishing while on vacation.



PRACTICING FOR PARTICIPATION IN THE CARBIDE first aid contest to be held September 16 is the first aid team of the Manufacturing Offices Division, pictured above. From left, standing, are Joe McMaster, R. H. Evans, W. L. Coggins, Bill Plemens and Leon Brown. Kneeling are W. C. Anderson and B. N. Strunk.



The following Y-12 employees were patients in the Oak Ridge Hospital last week; Lloyd M. Thompson, Standby Plant Maintenance; and Roscoe O. Wade, Electrical Maintenance.



Four Y-12 employees became fathers of babies born last week at the Oak Ridge Hospital. They were: Wilburn W. Combs, boy, August 6; Ames K. Robinson, girl, August 6; Duane P. Anderson, boy, August 8; Ernest Lawson, boy, August 9.

Horse Show Benefit Fri. For Cerebral Palsy Fund

The second annual horse show in Oak Ridge will be held at 8 p. m., Friday, August 18, at Oakwood Park. The show is presented by the East Tennessee Riding Club and Horse Show Association for the benefit of the Anderson County Cerebral Palsy Center, located at 700 Medaris Street, in Clinton. The center is supported by contributions and voluntary help.

Hoyt Akins, of the Y-12 Electrical Department, will show his shetland pony, Rex, which will be ridden in the pleasure class by seven-year old Leroy Moyer.

CARBIDE WIVES MEET TONITE

The monthly meeting of the Carbide Wives is being held tonight at 7:30 o'clock, in the East Lounge of the Ridge Recreation Hall. All wives of Y-12 employees are invited to attend.

Mrs. Harry K. Walker, member of the executive board, will be in charge of the meeting. Hostesses will be Mesdames John Turner, chairman; W. C. Davis, Herman Snyder, Ralph Green, Ebenezer Williams and Woodford Terry.

CHEM. SYMPOSIUM PROGRAM

Continued from Page 1
day is as follows: Monday, August 21—Levy, Scatchard, and Eyring; Tuesday, August 22—Clewett, Scatchard, and Eyring; Wednesday, August 23—Harned, Lind, and Eyring; Thursday, August 24—Ketelle, Lind, and Harned; Monday, August 28—Milligan, Harker, and Harned and Blake; Tuesday, August 29—Kraus, Harker, and Harned; Wednesday, August 30—Collins, Boyd, and Harker; and Thursday, August 31—Taylor, Scatchard, and Harker.

Eight Minor League Depts. All Present

All perfect attendance records for the week ending August 6 were entirely confined to the Minor League where eight departments came through with "zeros" in the absentee percentage column, marks which enabled the Minor League to make a group absentee percentage figure of 0.8 per cent and reduce its absenteeism .2 per cent over previous week. Y-12 Perfect-Attendance Departments were the Laundry, Superintendents, Steam Plant, Transportation, Planning and Estimating, Cafeteria and Canteens, Manufacturing Offices, and Janitors. The Minor League's group absentee percentage for the week ending August 6 was 0.8 per cent.

In a regular old-time Brooklyn Dodger-St. Louis Cardinals closing of the season major league dog-fight, the Laundry Department and the Steam Plant Department are running an almost dead heat in stretching their perfect attendance marks to fast-approaching Y-12 all-time records. Both repeated again as the Laundry added week No. 15 to its string and the Steam Plant No. 14 to its succession of "zeros" in the Y-12 absentee record book.

WEEK ENDING AUGUST 6, 1950 MAJOR LEAGUE

More than 50 Employees Scheduled Percentage Standing

Dept.	Absent	8-6-50	7-30-50
2282	0.5	1	3
2091	0.6	2	1
2320	1.50	3	7
2360	1.53	4	1
2616	1.6	5	9
2015	1.7	6	2
2142	2.0	7	5
2003	2.3	8	12
2014	2.6	9	4
2300	2.8	10	10
2283	2.9	11	11
2077	3.4	12	8
2619	3.6	13	6

Group absentee percentage was 2.0 per cent, 5 per cent higher than the preceding week.

MINOR LEAGUE 15-49 Employees Scheduled Percentage Standing

Dept.	Absent	8-6-50	7-30-50
2096	0.0	1	1
2200	0.0	1	1
2743	0.0	1	1
2008	0.0	1	1
2002	0.0	1	1
2107	0.0	1	1
2133	0.0	1	4
2001	0.0	1	5
2060	0.5	2	2
2270	0.7	3	3
2064	1.17	4	5
2109	1.17	4	1
2739	1.21	5	1
2143	1.3	6	1
2140	3.9	7	6
2005	4.5	8	7

The plant average for the week ending August 6, 1950 was 1.7 per cent, .3 per cent higher than the preceding week.

The Hole Truth

By Evan Means

This fellow George Dobbs has been picking on us for the past year, sort of hinting that we're a fishing nut—or some such freak, and comparing this fellow and that with us when he wants to insult them.

We suspect he listens too much to Arnold Tiller, who plays golf instead of fishing. Floyd Ludwig, over in the sheet metal shop, has decided to take up fishing, now that the Roane County Sheriff spends so much time at the 19th hole. Maybe if he can get Tiller started fishing too.

Anyway, when Marc Sims came over from X-10 to give us Y-12's a taste of his journalism, while Dobbs is on his vacation, he asked us to help out by bringing you up to date on the local fishing news. Just so you hunters won't feel slighted, we must remind you that the first hunting season to open this year will be squirrels on September 30, unless the Fish and Wildlife Service again opens doves earlier. So you see—no hunting news.

First we must tell you the rumor is unfounded that Cliff Herrell has been trying to borrow a diving suit ever since West, Chamberlain, Easterday and others left all those plugs on the bottom of Fort Loudon Lake.

Also, Ernie Cobble has not quit fishing since he and Lillie got married. She goes fishing with him. It's just that the carpenter shop has been so busy this year that Ernie hasn't had time to go out and bring in those big ones.

R. M. Mustin, of 9212, is about the smartest fisherman on the job. He catches them already on a stringer below Fort Loudon Dam.

Ted Higgins and H. C. Nichols are the meanest fishermen in Y-12. They were so disappointed over a bad duck hunting trip on Norris Lake last fall that they took a poor old fish hawk's dinner away from him. The fish hawk in turn had interrupted a big bass as he was making a meal of a large bluegill. Everything on Norris must have been feeling tough that day.

E. E. Kennedy is the most publicized angler in Y-12. That triple-threat fishing rig of his: two trolling sockets, plus rod held in hand, has been heard of by every newspaper and sportsmen's club in Tennessee. The only trouble is that the machine shop has kept him so busy that he hasn't had time to go fishing.

Red Akers entered the ranks of the fishermen briefly last spring, coming in with a report of catching a 12-pound catfish. He soon retired, however, when J. B. Johnson found the fellow he caught it from.

The rumor is also unfounded that J. B. has been keeping C. B. Newman's table supplied with fresh fish since he bought that Coleman lantern.

We're not saying who, but we hear of a Y-12 angler who always takes along a little snakebite remedy when he goes fishing. The last trip out, his minnows were dying and the fishing had been very slow. Finally, in desperation, he picked out a minnow that was still kicking feebly and dropped a little of the 'medicine' into its mouth before baiting up. As soon as the hook disappeared below the surface, he got a terrific strike and hauled in a five-pound bass. The minnow had a firm grip on its dorsal fin.

George Strasser and Paul Petretsky have been fishing Center Hill Lake some this summer. On a recent trip, George had a headache and started to row across the lake to a country store to get a box of St. Joseph's aspirin. He only took a quarter with him and half way across he pulled out his handkerchief, flipping the coin accidentally into the water. He didn't want to waste all that rowing, so he picked his rod up from the bottom of the boat and started fishing. A few minutes later he caught a nice bass and when he



Y-12 AUTHOR, ANGLER — The Bulletin presents Evan Means, his bass catch, and his excellent story which appears opposite. While the editor shuns responsibility for the picture, he does take credit for the idea of having Mr. Means do the story. Sometime ago, Marc Sims, vacation editor for George Dobbs, told Don McKay, publisher of the Oak Ridger, that he thought Means' "Sportsman's Corner" was that paper's best feature.

cut it open, he found a box of St. Joseph's aspirin and fifteen cents change.

You see: there's never a dull moment when Y-12ers go fishing. Last spring W. B. Tyree got seasick on Fort Loudoun Lake when his party tied up to a navigation buoy to do a little crappie fishing. The buoy was bobbing and Tyree's stomach soon began doing likewise.

Ray Ledford, G. I. Davis and G. L. Titlow really dragged in the fish this season, first on Douglas and then on Loudoun, but they quit fishing when Titlow lost his plug.

J. C. Ezell and Claude Haws worked out a plan last winter for getting out of rowing the boat. They started a school for beginning fly casters. The idea was that the fledgling had to paddle on the first three trips and watch the old masters operate. The fellows got a few suckers before Haws was elected treasurer of the local NRA rifle club and had to devote his time to looking after the organization's money.

We could go on like this for quite a while but the Bulletin is a small paper and we're having trouble with this typewriter's spelling. (If you don't believe it, ask the Bulletin's copyreader.)

In case you doubt the words in this column, we're writing this in the presence of our brother, Rev. L. N. Means, pastor of the Christian Church at Ash Grove, Missouri. We couldn't trifle with the truth in front of a minister, could we? (Don't answer that.) We took brother Loyd and his two boys fishing last evening on Watts Bar. We managed to hold our own with the two kids, but their dad didn't get a smell.

Eight Ball Fatal To Fly In Pool Hall Pot Shot

It happened in Jake's poolroom as Bill and Charley were playing for the championship of the Dust Bowl. With Charley about to shoot, a fly landed on top of the eight-ball and Charley said, "I'm going to kill that fly." "Time stood still," Bill related, "while the boys took bets. The fly also stayed put. Everybody expected Charley to loft the cue ball so it would light on top of the insect and exterminate it.

"When they got their bets placed, Charley chalked his cue, a solid oaken stick—and knocked the eight-ball out from under that fly so fast it fell on the table and broke its back."

A modest girl never pursues a man. Nor does a mouse trap pursue a mouse.

SPORTS NEWS IN Y-12

Playgrounds Present Circus Tonight At Blankenship Field

It is circus time again for the boys and girls, mothers and dads, and anyone else in Oak Ridge who gets a thrill from the performance under the "Big Top". The nine playgrounds sponsored by the Recreation Department, will present the Second Annual Playground Circus at Blankenship Field, Wednesday, August 16. The Circus will be complete with brass bands, Calliope, wild animals, freaks, cowboys, Indians, and specialty acts, and will begin immediately following a parade which will start at 7:00 p. m.

The circus parade will form in the parking lot across the street from the Post Office. The route to be followed will be from Central Avenue north to Tennessee, west to Kentucky, north to Broadway, east on Broadway to Blankenship Field. Each of the circus acts will take part in the parade, accompanied by the High School Band, under the direction of Mr. Gilbert Scarborough, director of the Oak Ridge High School band, and a "real live" Calliope.

The Municipal Band will play at Blankenship Field before and during the performance.

Bob Barron, son of Mr. and Mrs. R. J. Barron of 119 Orchard Lane, will act as Ring Master again this year. He will put the animals through their paces and call to the attention of the audience the most daring feats of the performers.

The circus will consist of nine main acts, one from each playground. In order of their appearance the acts are: The Wumps from Woodland Playground; Freaks and side show acts from Pine Valley playground; Wild Animals from Glenwood playground; "Pilfering Pirates" and French Can-Can Dance" from Linden playground; A "Trained Horse Act" from Willow Brook Playground; "Tabby the Cat" and the "Mule Train" will perform for Scarboro playground; Tumblers from Cedar Hill playground; the Elephants will come from Highland View playground; and Elm Grove will present a "Wild West Show" for the final act.

The Lions' Club will lend to the circus atmosphere by selling balloons, popcorn, peanuts, and soft drinks during the parade and at the circus.

The circus is the closing "Special Event" for the summer season. The public is cordially invited to attend and there is no admission.

More Y-12 Golfers Needed For All-Carbine Tourney

Golfers in Y-12 are urged to turn in their qualifying score cards this week as August 21, is the absolute deadline for entree. So far only a few Y-12 golfers have qualified. Since Y-12 has been a leader in the golfing field it is hoped that a goodly number of golfers will qualify by the deadline. With some of Oak Ridge's top Par Busters being Y-12 employees, many valuable trophies should end up in the plant. Bill Reynolds, John Shugart and Co., should finish high in the All-Carbine event. Reynolds just recently lost in the City Tournament to Woody Allen in the finals. Woody is not a Carbine employee.

Schedule again is: Qualifying by August 21; First round by September 5; Second round by September 12; and finals by September 25. All matches from the championship through the four will be 18 holes; all others may be nine or 18 by agreement.

Even a tombstone will say good things about a fellow when he's down.

Y-12 Plant Softball League Schedule Moves Along As Rain Lets Up; 9212 Increases Lead

For the second consecutive week the Y-12 plant softball league stayed one jump ahead of old man rain and marked 4 more games up on the scoreboard.

Tuesday, August 8, in the first game of a double header at Pine Wood, 9212 protected their undefeated record by downing the Rippers—17-6. Musten went all the way for 9212, allowing 9 scattered hits while his team mates were collecting 12. Noe was the losing hurler.

Bums Stay In Race

In the second game the Bums stayed in striking distance of 9212 by nosing out the All Stars 15-11 in a 10 inning thriller. Oliphant tossed 'em over for the Bums.

Thursday 10, No Rain

The Isotopes came in with a .500 average last Thursday by downing the Rippers 15-9, Wesson for the Isotopes and Noe for the Rippers hit home runs.

Still 9212

With a big third inning in which they scored 8 runs the 9212 boys iced their Thursday night game with the All Stars 18 to 6. Musten scattered 9 hits to the All Stars but had control in the tight spots.

	R	H	E
Rippers	100	032	6 9 2
9212	731	15x	17 14 0
	R	H	E
Bums	004	401	200 4-15 11 4
All Stars	200	003	100 0-11 12 2
	R	H	E
Isotopes	802	013	1-15 9 1
Rippers	310	203	0-9 8 3
	R	H	E
9212	018	221	4-18 16 3
All Stars	010	410	0-6 9 4

2nd Half Standing

	Won	Lost
9212	4	0
Bums	3	1
Isotopes	2	2
All Stars	1	3
Rippers	0	4

Schedule Finish 2nd Half

Thursday, August 17, 6:30, All Stars vs Rippers.
Thursday, August 17, 8:00, Isotopes vs Bums.
Tuesday, August 22, 6:30, All Stars vs Isotopes.
Tuesday, August 22, 8:00, Bums vs. 9212.
Thursday, August 24, 6:30, All Stars vs Bums.
Thursday, August 24, 8:00, 9212 vs Rippers.
Tuesday, August 29, 6:30, All Stars vs 9212.
Tuesday, August 29, 8:00, Rippers vs Isotopes.

Win Over K-25 Means State Tournament For Y-12 Girls

Provided they could defeat K-25 Tuesday, the Y-12 girls will represent Oak Ridge in the Women's State Softball tournament in Chattanooga this week end. Having already won one game 16-2 in the two out of three play off from K-25, the girls should win this one. Their first game in Chattanooga will be against another East Tennessee team Saturday morning. The Cas Walker team of Knoxville will be the defending champions.



SHOWN ABOVE ARE THE Y-12 DODGERS, CRACK negro baseball team representing the plant. Front row, left to right, are Claude Bruer, Manager Leon Coleman, Roy Henley, Walter Bruer, Robert Mosley and Rufus Hill. In the second row are, Thurman Weaver, Tim Ware, Rogers Deatheridge, Gus Clegg, Pro Davis, scorekeeper; Jim Brison, James Gallaher, Kin Faulkner and Charles Harkness. The bat boy is James Hatfield.

Y-12 Out Of Tourney After Good Showing

The Y-12 men's varsity softball team bowed out of the City tournament last Friday night after making a good showing for themselves.

In their first game August 7 with R-A, they lost 6-0 as Bobby Loy, R-A star pitcher, threw a no-hitter at the boys. This dropped Y-12 into the loser's bracket.

Oak Ridge Motors were the next opponents for Dew and Co. Ed Sise took care of this one as he came close to his no-hitter by allowing the Motors only one scratch hit. Y-12 won this one, 6-2.

K-25 lost to R-A in the winner's bracket and Y-12 and K-25 played Thursday with K-25 winning, 5-2. In this one Y-12 got off to a flying start, scoring 2 runs off Key in the first inning; but Poe Smith came in for K-25 and that was all the scoring for Y-12. K-25 tied the game in the 3rd; and went on to win with 3 runs in the 6th.

For a team that was playing their first year of class "A" ball the Y-12 boys did OK. Although they lost a majority of their games, the records show most of these were by 1 and 2 runs. With a little more hitting power, next year it should be a different story.

N. C. State To Offer Nuclear Course

North Carolina State College will offer a four-year course in nuclear engineering in the fall course in 1950, it has been announced by the Raleigh News and Observer, Dean J. H. Lampe, announcing the new course, also said that the institution has drawn plans for a nuclear reactor for research and instruction use.

Air Carnival Aug. 20

The East Tennessee Flyer's Club is sponsoring the Knoxville Air Carnival August 20, from 2 p. m. to 5:00 p. m., at the Knoxville Municipal Airport, Alcoa.

One of the big attractions will be midget airplane racing. M. R. Skidmore, of the Y-12 Technical Service Laboratory, is Vice President of the Flyer's Club; and Bill Sidner, of K-25, is Chairman.

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Y-12er Tells of His Experiences in Korea While Serving with U. S. Occupation

"Living conditions I observed in Korea while there as a soldier with the U. S. Army occupation forces were so deplorable that, to me, it is no surprise that part of its people fell prey to propaganda that would promise them any sort of a change from economic situation which hardly could not have been worse," was the comment of R. E. Mellon, of the Y-12 Maintenance Department, to a Y-12 Bulletin reporter.

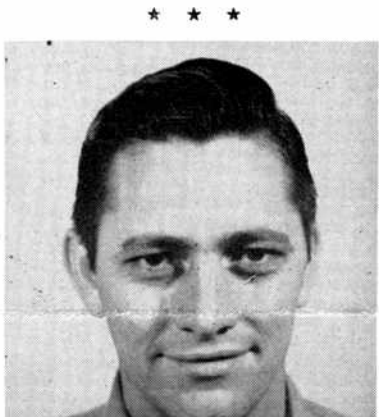
Mellon's Korean experience was during an interlude from employment at Y-12 when he entered the Army in May, 1945 and was discharged in July, 1946, returning to Y-12 where he originally began employment six years ago last January. He landed in Korea in February, 1946, as a member of the 56th Fighter Control Squadron, U. S. Air Corps, and was located most of the time at the Kimpo Airport between Seoul, Capitol of Korea, and Inchon, a port on the west coast. Duties of his outfit were the maintenance of ground equipment for the air corps.

Mellon had plenty of opportunities to learn about Koreans while off duty and through contact in getting his clothes laundered by the family of Kimdo, a 16-year-old native, four feet, six inches tall, who served as an orderly for the soldiers billeted in a Korean grade school. Kimdo, Mellon said, was one of a family of 12 and the money he received as orderly was a major part of the family income. The family was abject in its poverty and a bar of soap or piece of candy would eagerly be taken as the price of washing soldiers' clothes. Soybeans and rice formed the greater part of the Koreans' diet and they had only scanty measures of these foods as each family's gardening space was astonishingly small.

A remarkable thing about the Koreans' washing of a U. S. soldier's clothes was the relationship of method to results; the method being nothing short of an aboriginal reality, while, at the same time, the results were everything one could expect of a modern American laundry. The Korean women would wet the clothes, put them on a flat board and then beat out the dirt with another board, doing this without any soap unless it was furnished by a G. I. But, as Mellon expressed it, the clothes came out lily white and about as fragile as a lily. After about six or seven washings a G. I. had to get new issue.

Mellon said a number of Koreans were employed by the U. S. Occupation Forces on many jobs such as resurfacing the Kimpo air strip and construction of roads, and remarked that it took a lot of supervision to keep them working. They seemed somewhat surly, he said, and didn't take kindly to being bossed. This attitude, he added, might be explained as having been developed during the long years of the Japanese overlordship of Korea and to the fact that Korean nationalistic feelings persisted strongly through all that suppression. That a Korean had plenty of spirit although seemingly shiftless was attested by many incidents of Koreans getting angry when called "Japs" by jesting American soldiers.

However, there was much evidence that many Koreans had served in the Japanese army. A lot of them, he said, still wore the Japanese green fatigue caps. Service with the Japanese army only partially explain the North Koreans' present apparent adeptness with the highly mechanized equipment they are using against our forces in South Korea, Mellon



R. E. MELLON SERVED IN KOREA — The story alongside was given to the Y-12 Bulletin by Mr. Mellon, of the Y-12 Maintenance Department, at the request of the editor who asked for the interview.

commented. He believes that training of the North Koreans in modern warfare started almost with the occupation of that country.

Mellon, when asked if he had had any experience with the 38th Parallel line, replied that he did and learned what is meant by the "Iron Curtain." The occasion he told about was one in which he and some of his buddies were assigned as a detail for transporting supplies for the American Red Cross. The journey from port to an inland town would have been an arduous six-hour river trip if it had not been for permission granted the American Army by the Russians to transverse the 38th parallel line—but only to a slight extent. After being subjected an intense procedure of identification, Mellon and his detail was escorted through the short jog in, across and out of the line by eight heavily armed Russian soldiers who were anything but friendly.

From the information gathered from Mr. Mellon one can understand why our soldiers are having tough going in whipping the North Koreans, a rugged people as far as being able to withstand hardships, who are fighting in their own backyard and at a time when the weather over there is steamy hot. An American soldier would have a difficult time living off the country as it is reported the North Koreans are doing, commented Mellon. He said that none of the natives' homes had furniture in them except a four-inch high table off which they ate their meals.

Noted Scientists To Lead Modern Chemistry Meeting

Continued from Page 1

Army, he returned to Amherst for a four year period as associate professor of chemistry. In 1931-32, he studied in Europe on a Guggenheim Fellowship. Dr. Scatchard is a member of the National Academy of Sciences.

During World War II, Dr. Scatchard carried on research with Dr. E. J. Cohn at the Harvard Medical School on the fractionation of plasma proteins for use in military medicine. Later he spent part of his time on the Manhattan Projects as consultant to the SAM Laboratories at Columbia University, where directed research on fractionation of uranium isotopes by gaseous diffusion. In 1946, on leave of absence from M. I. T., he served as Chief of the Scientific Research Control Branch of the American Military Government in Germany and as a scientific advisor to General Lucius D. Clay, then Deputy Military Governor of Germany.

About Dr. Harker

Dr. David Harker, a native of San Francisco, received his bachelor's degree from the University of California at Berkeley in 1928. He later entered the California Institute of Technology as a graduate student and received his Ph.D. degree in 1936, specializing in chemical crystallography and mathematics.

Following his graduation, Dr. Harker spent five years as a chemistry instructor at Johns Hopkins University, his speciality being quantum mechanics and crystal structure. From 1941 until this year, Dr. Harker was associated with the General Electric Research Laboratory, first as an associate in metallurgy and more recently as head of the Crystallographic Division. He is a recognized authority on electron microscopy and electron diffraction techniques.

About Dr. Eyring

Dr. Henry Eyring's major fields of specialization include radioactivity, the application of quantum mechanics to chemistry, the theory of reaction rates and the theory of liquids. He has made numerous contributions to chemical literature, including the co-authorship of three chemistry textbooks.

Dr. Eyring received a B. S. degree in mining engineering and an M. S. in Metallurgical engineering from the University of Arizona. He received his Ph.D. from the University of California in 1927, and spent the next two years on the staff of the University of Wisconsin. He was a National Research Fellow at the Kaiser Wilhelm Institute in Berlin in 1929-30.

About Dr. Harned

Dr. Herbert S. Harned is a specialist in the chemistry of electrolytic and other solutions. He is co-author of the treatise, "The Physical Chemistry of Electrolytic Solutions," and is a regular contributor to scientific journals on this and related subjects.

During World War II, Professor Harned directed all atomic research at Yale's Sterling Chemistry Laboratory and served as a group leader for Yale studies on the Manhattan Projects. He also served as a consultant to the OSRD during the early stages of the war.

Professor Harned is a native of Camden, N. J. He received his B. S., B. A., and Ph.D. degrees from the University of Pennsylvania. After receiving his doctorate in 1913, he became an instructor in chemistry there. He rose to the rank of professor before joining the Yale University faculty in 1928 as Professor of Physical Chemistry. Professor Harned was a captain in the Chemical Warfare Service during the first World War, serving in Washington, D. C., and in France.

Mystery of Picture on Page 1 Explained



FOLKS, JUST LOOK AT THIS SITUATION—AS ANYONE can plainly see, Coach A. F. Kendig, Transportation Department foreman, is in a quandry. He is so short of passenger candidates for the backfield positions that he is trying out the bus drivers of the Y-12 shuttle who are, left to right, Theo Renner, W. E. Rayburn, H. Z. Spurgeon, and F. H. Alvis. Coach Kendig, standing there with the football in his hand, points to the number, 59, which he says, represents the number of positions which can be occupied on a Y-12 shuttle. But, he added, most passengers keeping trying out for center positions, guard and tackle. Seriously, folks, Kendig and the four drivers will appreciate cooperation of Y-12ers in moving back towards the rear of the buses in order to make room for everyone. This will help a lot, especially on rainy days. Attention is also called to the fact that buses should not be boarded by the middle door; that is for exit only.

AEC Permits Servicemen's Dependents to Retain Housing at Present Time

R. W. Cook, manager of the Oak Ridge Operations for the Atomic Energy Commission, said on Monday that at the present time dependents of employees living on the Oak Ridge area who are called into active military service will be permitted to remain in the housing they now occupy.

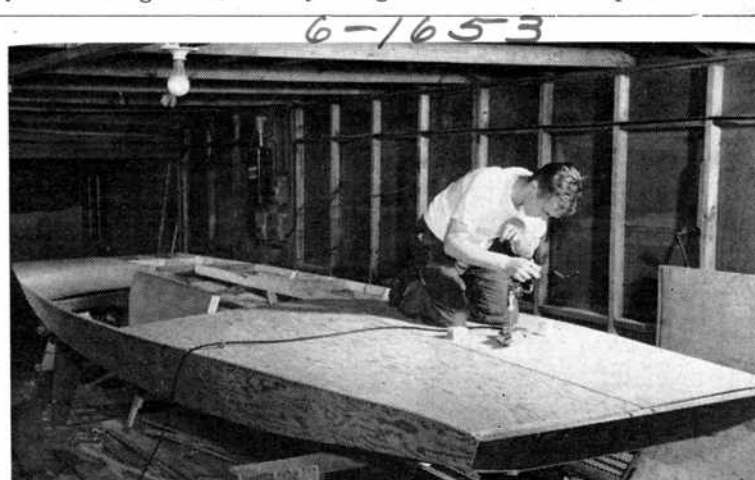
Y-12 employees who are called into military service and who wish to take advantage of the housing provisions contained in this story are urged to contact the Laboratory Housing Office, Room 17, Building 9701-1, Telephone 78328. This will expedite the transfer of housing to the dependents of such employees.

In such cases, existing housing regulations have been modified suspending the requirement that dwellings be vacated within 30 days after an employee terminated active employment.

In those cases where dependents wish to continue occupancy of their present dwelling, application for suspension of the 30-day limitation should be made to the housing office through which the servicemen obtained his present quarters, it was explained.

Every consideration will be given requests for dependents who wish to move into lower rent housing. Also, dormitory space may be assigned to individual dependents, whether employed or not.

Upon re-employment following discharge from military service, a person having continuity of service will be placed on the housing eligibility lists as of the date of his original employment. If adequate housing is not already being furnished to his dependents.



ANOTHER Y-12ER BUILDING RACING BOAT — PAUL Wilkinson, of the Staple Isotope Division, at work at Oak Ridge Power Squadron's headquarters on 20-foot inland racing skow which is sure to seriously challenge the racing speed of the new skow built by Ed Nicholson, of ORNL. Wilkinson's craft will pack 250 square feet of canvas. OR Squadron member Wilkinson hopes to have his boat ready for at least the last sail boat race of the summer.